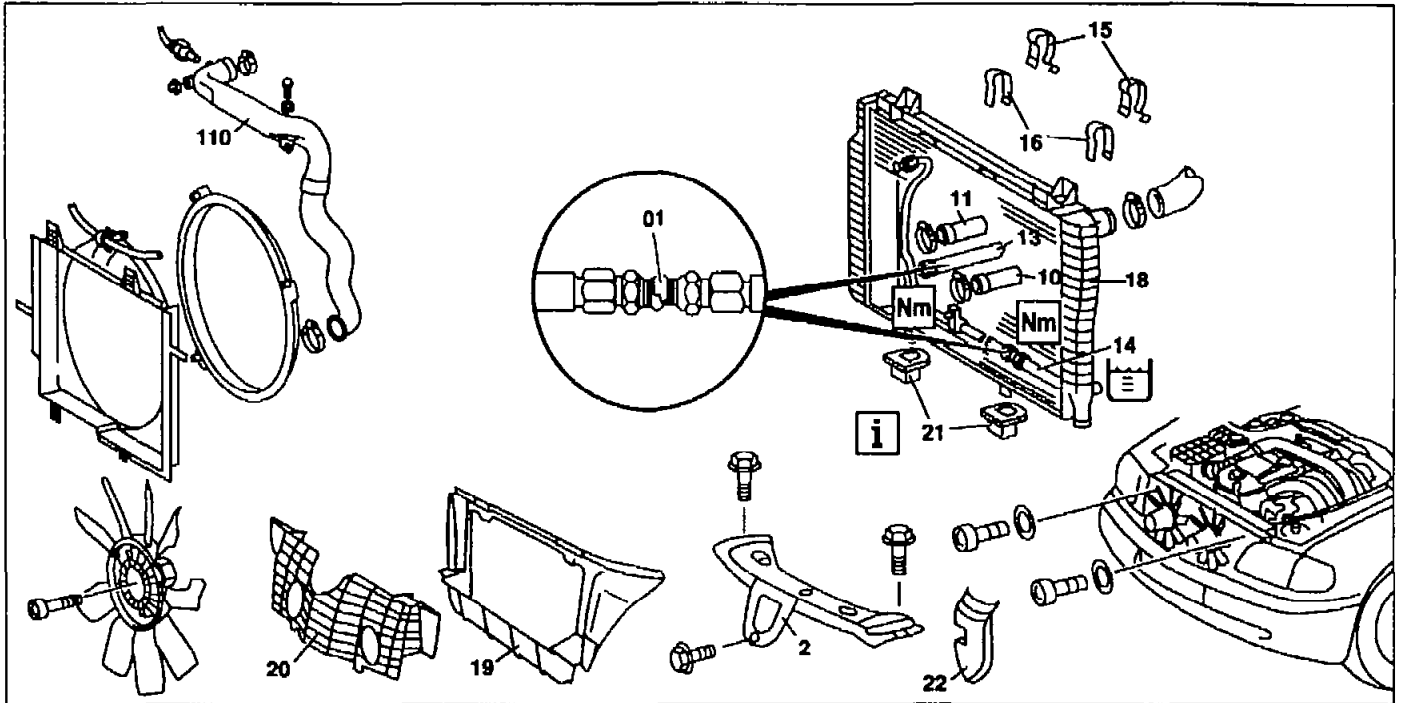


ENGINE 605, 606 in MODEL 124

ENGINE 606.961 in MODEL 140

ENGINE 601, 604, 605 in MODEL 202







ENGINE 602.982, 604, 605, 606.912 in MODEL 210



P20.20-0211-09

☒ ☒	Removing, installing		
1	Remove bottom parts of noise encapsulation	Model 202 Model 210	AR94.30-P-5300A AR94.30-P-5300AB
2	Drain coolant	at radiator	AR20.00-P-1142HW
3.1	Remove charge air pipe (110)	Engine 605.960 in model 202 Engine 602.982, 605.962 in model 210	AR09.41-P-1311H
4	Pull off flat shaped springs (15) and (16)		
5	Remove viscous fan clutch	Engine 605, 606 in model 124 Engine 606.961 in model 140 Engine 605 in model 202 Engine 602.982, 605, 606.912 in model 210  Engine 601 in model 202 Engine 604 in model 210	AR20.40-P-5660HB  AR20.40-P-5660HA AR20.40-P-5660HA
6	Remove fan shroud		AR20.40-P-6800HA
7.1	Detach automatic transmission ATF lines (13) and (14)	if automatic transmission (code 420a, 425a) ☒ Use union to connect ATF lines ☒ Engine 601, 604, 605, 606 ☒ Engine 602.982	AR20.20-P-3865-01HA AR20.20-P-3865HA/3 BA20.20-P-1001-01A BA20.20-N-1007-01B
WF	Union (01) for connecting ATF lines	All engines	WF58.50-P-2020-01A
8	Take off coolant hoses (10), (11) and (12)	☒ Inspect condition of coolant hoses and hose clips, replace if necessary. ☒	WH58.30-Z-1001-06A



			WH58.30-Z-1002-06A
9.1	Detach hood cable	Model 202	AR88.40-P-3100E
10.1	Remove trim panel (22) and intake air scoop	with AC (code 580, 581), model 202	
11.1	Remove fan grille (20)	with AC (code 580, 581), models 202, 210	
12.1	Remove front end crossmember (2)	Model 140, 202 Model 210 with AC (code 580, 581)	
13.1	Remove intake air scoop (22a)	Model 140, 210	
14.1	Unbolt intercooler at radiator (18) and detach	Engine 602.962, 605.962 in model 210	
15.1	Unbolt condenser at radiator (18)	with AC (code 580, 581)	
16.1	Detach air guide (19) from fixtures at radiator (18)	Model 210 without AC (code 580, 581)	
17.1	Remove air guide (19)	Engine 601, 604 with AC (code 580, 581)	
18	Remove radiator (18)	 <b>Installation:</b> Insert the securing studs of the radiator into the rubber grommets (21) of the bottom crossmember when installing.  <b>Installation model 140:</b> If new radiator ↓ Align radiator to front end crossmember	AR20.20-P-3865-02A AR20.20-P-3865HA/3
19.1	Attach guard plate (10) for radiator/condensor	with AC (code 580, 581)  In addition attach AC condensor in vehicle	
 WF	Guard plate for radiator/condensor	Engine 604, 605, 606, 611.960	WF58.50-P-0110-01A
20	Install in the reverse order		
 <b>Danger!</b>	Risk of accident as a result of vehicle starting off when engine running. Risk of injury as a result of bruises and burns if you insert your hands into engine when it is being started or when it is running.	Secure vehicle to prevent it starting off. Wear closed and close-fitting work clothes. Do not grasp hot or rotating parts.	A500.00-Z-0005-01A AR20.20-P-3865HA/4
21.1	Check ATF level in automatic transmission, adjust if necessary	on models with automatic transmission (code 420, 425) ↓ Transmission 722.3/4/5 Transmission 722.6	AR27.00-P-0100A AR27.00-P-0101A
22	Fill cooling system	Engine 604, 605, 606 Engine 601	AR20.00-P-1142HW 20-010
23	Inspect cooling system for leaks		AR20.00-P-1010HA AR20.00-P-1010HA

 Radiator, coolant hoses, coolant pipes

Number	Designation	Engine 602.982
BA20.20-N-1007-01B	Transmission oil pipe, automatic transmission to radiator	Nm 20



**Nm** Radiator, coolant hoses

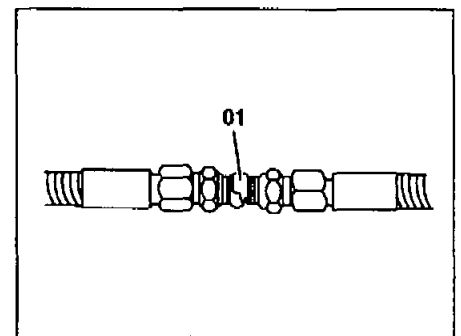
Number	Designation	Engines 604, 605, 606
BA20.20-P-1001-01A	Transmission oil pipe, automatic transmission to radiator (union nut)	Nm 20

**Commercially-available tools**

Number	Designation	Company (e.g.)	Order number
WH58.30-Z-1001-06A	6 mm socket wrench hexagon on flexible shaft for hose clamps with worm-gear drive	Hazet Göldenwerther Bahnhofstraße 25-28 D-42857 Remscheid	426-6
WH58.30-Z-1002-06A	7 mm socket wrench hexagon on flexible shaft for hose clamps with worm-gear drive	Hazet Göldenwerther Bahnhofstraße 25-28 D-42857 Remscheid	426-7

AR20.20-P-3865-01HA	Sealing off ATF lines	 WF Connection union	
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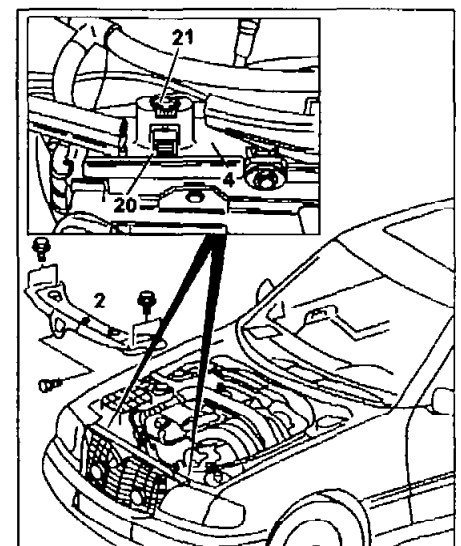
Seal ATF feed and return flow pipes with connecton union (01).



P20.30-0004-01

AR20.20-P-3865-02A	Aligning radiator to front end cross panel	Model 140	
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- 1 Install front end cross panel (2).
- 2 Turn adjusting screw (21) until the positioning rail (20) is touching the front end cross panel (2) with a slight tension.



- 2 Front end cross panel
- 4 Radiator
- 20 Positioning rail
- 21 Adjusting screw

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AS00.00-Z-0005-01A	Risk of accident as a result of vehicle starting off when engine is running. Risk of injury as a result of bruises and burns if you insert your hands into engine when it is being started or when it is running.	Secure vehicle to prevent it from moving off. Wear closed and close-fitting work clothes. Do not grasp hot or rotating parts.	 <b>Danger!</b>
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**Possible dangers**

**Risk of accident**

from vehicle starting off during starting operation (e.g. when testing compression pressure) as a result of gear engaged or when engine running and vehicles with automatic transmission as a result of selector lever position "P" or "N" not engaged (exception: some vehicles do not have a selector lever position "P").

**Risk of injury**

Severe injuries may be caused by freely rotating parts in the area of the running engine. The heat produced by the engine when it is operating can result in severe burns if contact is made with individual, unshielded parts.

**Rules of conduct / Protective measures**

- As a general rule, carry out work on the running engine only if this is absolutely essential.
- Before starting the engine, apply parking brake.
- On models with manual transmission, move gearshift lever into Neutral position.
- On models with automatic transmission, move selector lever into position "P" or "N" (exception: some vehicles do not have a selector lever position "P").
- On models which do not have selector lever position "P", secure selector lever to prevent it from being operated unintentionally.
- Wear closed and close-fitting work clothes.
- Take off any jewelry, such as chains, rings etc.
- If you have long hair, wear a suitable head cover.
- Before commencing work on the running engine, check to obtain a general picture of the positioning of parts which may be hot.
- When carrying out work when starting the engine or when engine is running, do not touch any hot and rotating parts.

**First aid measures in the event of burns**

- Do not rub the skin areas affected; flush with plenty of cold water and cover skin with sterile bandages.
- Immediately consult a physician.

